**UNITED STATES DEPARTMENT OF AGRICULTURE**
**NATURAL RESOURCES CONSERVATION SERVICE**

# SECOND AMENDMENT TO THE MARCH 1979 CLASSIFICATION AND CORRELATION OF THE SOILS OF MONROE COUNTY, INDIANA

**SEPTEMBER 2005**

This amendment results from digitizing the Monroe County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

**AMENDMENT NO. 2**

**Pages 2 to 6 – Changes:**
Change the following map unit name-

| Map Symbol | Approved name (1979) | Approved Name - Amended (2005) |
|---|---|---|
| Bo | Bonnie silt loam | Bonnie silt loam, frequently flooded |
| Bu | Burnside silt loam | Burnside silt loam, occasionally flooded |
| Cu | Cuba silt loam | Cuba silt loam, frequently flooded |
| Hd | Haymond silt loam | Haymond silt loam, frequently flooded |
| Sf | Steff silt loam | Steff silt loam, frequently flooded |
| St | Stendal silt loam | Stendal silt loam, frequently flooded |
| Sx | Stonelick silt loam | Stonelick silt loam, frequently flooded |
| Wa | Wakeland silt loam | Wakeland silt loam, frequently flooded |
| Wr | Wilbur silt loam | Wilbur silt loam, frequently flooded |
| Zs | Zipp Variant silt loam | Zipp Variant silt loam, frequently flooded |

**Page 6, Soil Correlation –** Add the following map unit:

| Field symbols | Field map unit name | Publication symbol | Approved map unit name |
|---|---|---|---|
| Omz | Orthents, earthen dam | Omz | Orthents, earthen dam |
| W | Water | W | Water |
| Water | Water | W | Water |

The "Omz – Orthents, earthen dam" map unit is added for earthen dams more than 1.43 acres in size. These areas were labeled as large dams in the published soil survey.

The "W - Water" map unit field symbol is added for water areas more than 1.43 acres in size.

**Pages 8 to 12** – Replace the 37A dated 3/79, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard landform and miscellaneous surface features will be shown on the legend and placed on the digitized soil maps:

| Feature | Name | Description |
|---|---|---|
| CLA | Clay spot | A spot where the surface texture is silty clay or clay in areas where the surface layer is sandy loam, loam, silt loam, or coarser. Typically 0.2 to 2 acres. |
| MPI | Mine or quarry | An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 0.2 to 2 acres. |
| SLP | Short, steep slope | Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit. |
| SNK | Sinkhole | A closed depression formed either by solution of the surficial rock, or by collapse of underlying caves. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography. Typically 0.2 to 2 acres. |
| WET | Wet spot | A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres. |

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

| **Label** | **Symbol_ID** | **Name** | **Description** |
|---|---|---|---|
| UWT | 44 | Unclassified water | Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres. |

Indiana Official 37A For
Compilation, Digitizing, and DMF
**Revised June 30, 2004**

Soil Survey Area: MONROE COUNTY

State: Indiana

# FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

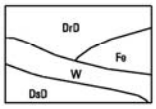
U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date: APRIL 2005

| DESCRIPTION | SYMBOL |
|---|---|

## SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS




STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- Bedrock escarpment
- Nonbedrock escarpment
- Gully
- Levee
- Short steep slope
- Blowout
- Borrow pit
- Clay spot
- Closed depression
- Gravel pit
- Gravelly spot
- Landfill
- Marsh or swamp
- Mine or quarry
- Rock outcrop
- Sandy spot
- Severely eroded spot
- Sinkhole
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

AD HOC FEATURES (Describe on back)

| LABEL | SYMBOL ID | SYMBOL | LABEL | SYMBOL ID | SYMBOL |
|---|---|---|---|---|---|
| DCS | 1 | | CRO | 23 | |
| DKS | 2 | | MTA | 24 | |
| OVW | 3 | | COM | 25 | |
| VWS | 4 | | HIL | 26 | |
| EAS | 5 | | | 27 | |
| MAS | 6 | | SID | 28 | |
| SAS | 7 | | | 29 | |
| CAF | 8 | | MUC | 30 | |
| CAL | 9 | | | 31 | |
| SLR | 10 | | | 32 | |
| DUM | 11 | | | 33 | |
| BRV | 12 | | | 34 | |
| BRM | 13 | | MRL | 35 | |
| BRD | 14 | | | 36 | |
| OBR | 15 | | | 37 | |
| SSR | 16 | | SAM | 38 | |
| LBR | 17 | | | 39 | |
| WDP | 18 | | VSE | 40 | |
| SBR | 19 | | | 41 | |
| COB | 20 | | | 42 | |
| CNS | 21 | | | 43 | |
| FES | 22 | | UNT | 44 | |

| DESCRIPTION | SYMBOL |
|---|---|

## CULTURAL FEATURES (Optional)

BOUNDARIES

- National, state or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)
- Field sheet matchline and neatline
- Public Land Survey System Section Corner Tics

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS

- Interstate
- Federal
- State

LOCATED OBJECTS

- Airport (Label only) — Davis Airport or Airstrip

| DESCRIPTION | SYMBOL |
|---|---|

## HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Unclassified stream

**Page 13, Conversion Legend** – Add the following:

| Field symbol | Publication symbol |
|---|---|
| Water, W | W |

**Page 12-- Replace the Classification of the Soils** table with the following, amended per Soil Taxonomy 9th edition:

Monroe County, Indiana
Classification of the Soils
(An asterisk in the first column indicates a taxadjunct to the series.)

| Soil name | Family or higher taxonomic class |
|---|---|
| Alford | Fine-silty, mixed, superactive, mesic Ultic Hapludalfs |
| Bartle | Fine-silty, mixed, active, mesic Aeric Fragiaqualfs |
| Bedford | Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs |
| Berks | Loamy-skeletal, mixed, active, mesic Typic Dystrudepts |
| Bonnie | Fine-silty, mixed, active, acid, mesic Typic Fluvaquents |
| Burnside | Loamy-skeletal, mixed, active, mesic Oxyaquic Dystrudepts |
| Caneyville | Fine, mixed, active, mesic Typic Hapludalfs |
| Caneyville Variant | Clayey-skeletal, mixed, active, mesic Typic Hapludalfs |
| Chetwynd | Fine-loamy, mixed, semiactive, mesic Typic Hapludults |
| Corydon Variant | Clayey-skeletal, mixed, superactive, mesic Lithic Argiudolls |
| Crider | Fine-silty, mixed, active, mesic Typic Paleudalfs |
| Cuba | Fine-silty, mixed, active, mesic Fluventic Dystrudepts |
| Ebal | Fine, mixed, active, mesic Oxyaquic Hapludalfs |
| Elkinsville | Fine-silty, mixed, active, mesic Ultic Hapludalfs |
| Gilpin | Fine-loamy, mixed, active, mesic Typic Hapludults |
| *Hagerstown | Fine, mixed, active, mesic Typic Hapludalfs |
| Haymond | Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts |
| Hickory | Fine-loamy, mixed, active, mesic Typic Hapludalfs |
| Hosmer | Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs |
| Iva | Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs |
| *Martinsville | Fine-loamy, mixed, active, mesic Ultic Hapludalfs |
| Orthents | Orthents |
| Parke | Fine-silty, mixed, active, mesic Ultic Hapludalfs |
| Pekin | Fine-silty, mixed, active, mesic Aquic Fragiudults |
| Peoga | Fine-silty, mixed, superactive, mesic Fragic Epiaqualfs |
| Princeton | Fine-loamy, mixed, active, mesic Typic Hapludalfs |
| Ryker | Fine-silty, mixed, active, mesic Typic Paleudalfs |
| Steff | Fine-silty, mixed, active, mesic Fluvaquentic Dystrudepts |
| Stendal | Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts |
| Stonelick | Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents |
| Tilsit | Fine-silty, mixed, semiactive, mesic Typic Fragiudults |
| Udorthents | Mixed, mesic Typic Udorthents |

Monroe County, Indiana Classification of the Soils - continued

| Soil name | Family or higher taxonomic class |
|---|---|
| Udorthents, loamy--- | Udorthents |
| Wakeland---------- | Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents |
| Weikert---------- | Loamy-skeletal, mixed, active, mesic Lithic Dystrudepts |
| Wellston---------- | Fine-silty, mixed, active, mesic Ultic Hapludalfs |
| Whitaker---------- | Fine-loamy, mixed, active, mesic Aeric Endoaqualfs |
| Wilbur---------- | Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts |
| Zanesville---------- | Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs |
| Zipp---------- | Fine, mixed, active, nonacid, mesic Typic Endoaquepts |
| Zipp Variant---------- | Fine, mixed, active, nonacid, mesic Aeric Endoaquepts |
| *Zipp---------- | Fine, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts |

*Zipp taxadjunct is for map unit Zp - Zipp silty clay loam, frequently flooded

**Approval Signatures and Date**

_____ _____
TRAVIS NEELY Date
State Soil Scientist/MLRA Leader
Indianapolis, Indiana

_____ _____
WILLIAM H. CRADDOCK Date
State Soil Scientist/MLRA Leader
Lexington, Kentucky

_____ _____
JANE E. HARDISTY Date
State Conservationist
Indianapolis, Indiana